



Missouri
Department of
Natural Resources

KCP&L Greater Missouri Operations Company
Power Plant Name: Ralph Green
Electric Generation and Emissions in 2011

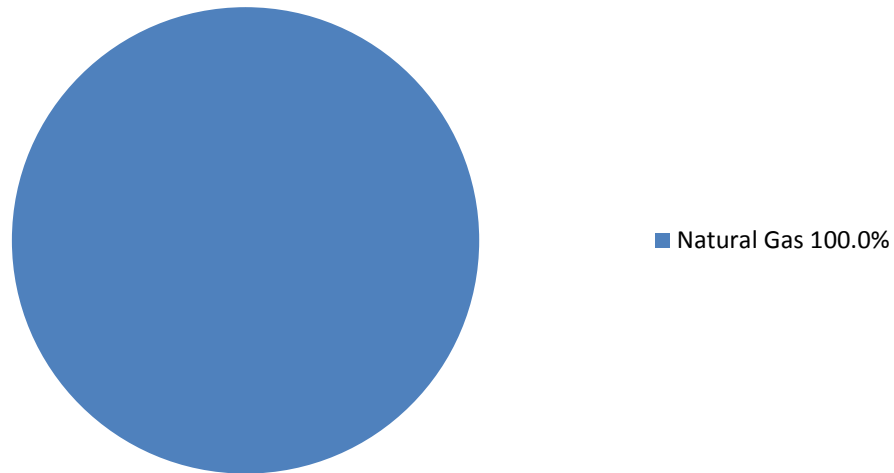
Generation Tables

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated, MWh	Percent of Total	
Non-renewable sources						
Coal						
Natural Gas	18,815	100.0%	100.0%	791	100.0%	100.0%
Petroleum						
Nuclear						
Other						
Non-renewable total	18,815	100.0%	100.0%	791	100.0%	100.0%
Renewable sources						
Biomass						
Hydroelectric						
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
Renewable total						
Grand total	18,815		100.0%	791		100.0%

Fuel Type	Physical Units	Number of Units
Natural Gas	MCf	18,815



Net Generation by Fuel Type, 2011 for Ralph Green





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Power Plant Nameplate information for Ralph Green

Plant Name	County Location	Generator	Generator Type	Generator Status	Nameplate Capacity (MW)
<i>Ralph Green</i>		<i>All Operating Generators</i>			<i>296.0</i>
Ralph Green	Cass	3	Combustion (Gas) Turbine (includes jet engine design)	Operating - in service	296.0



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Emissions from Electricity Generated in 2011: Ralph Green

	CO2 Equivalent (TONS)	Carbon Dioxide (CO2) (TONS)	Methane (CH4) (TONS)	Nitrogen Dioxide (NO2) (TONS)
Ralph Green	8,712	4,399	83	8

	Sulfur Dioxide (SO2) (TONS)	Annual Nitrogen Oxide (NOx) (TONS)	Summer Nitrogen Oxide (NOx) (TONS)
Ralph Green	0	0.0000	0.0000

Identified Flue Gas Desulfurization (FGD) controls installed on Ralph Green power plant

Plant	Control Equipment	Sorbent Type
	No FGD Controls Installed	

Identified Flue Gas Particulate (FGP) controls installed on Ralph Green power plant

Plant	Control Equipment
	No FGP Controls Installed



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Notes:

Generation, emissions and pollution control data include power plants owned by the utility and located in Missouri.

Emissions data calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data

Fuel Consumption and Generation Data from United States Energy Information Administration, Form 923, United States Department of Energy
<http://www.eia.gov/electricity/data/eia923>

Pollution control data (FGD and FGP equipment) from United States Energy Information Administration, Form 860, United States Department of Energy
<http://www.eia.gov/electricity/data/eia860/index.html>

Emissions factors for fuel-based generation from United States Environmental Protection Agency "Emission Factors for Greenhouse Gas Inventories", November 7, 2011,
<http://www.epa.gov/climateleadership/documents/emission-factors.pdf>